# Rec'd PCT/PTO 23 DEC 2004

### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property Organization

International Bureau



## 

(43) International Publication Date 8 January 2004 (08.01,2004)

**PCT** 

# (10) International Publication Number WO 2004/002504 A 1

(51) International Patent Classification<sup>7</sup>: A61K 35/78, 7/00, C07J 71/00, A61P 29/00

(21) International Application Number:

PCT/DK2003/000452

(22) International Filing Date: 30 June 2003 (30.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: BA 2002 00207

28 June 2002 (28.06.2002) DK

(71) Applicant (for all designated States except US): OLE

- KAAE HANSEN HOLDING APS [DK/DK]; Blomstervangen 28, DK-8250 Egå (DK).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HANSEN, Ole, Kaae [DK/DK]; Blomstervangen 28, DK-8250 Egå (DK).
- (74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Alle 7, DK-2900 Hellerup (DK).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PLANT EXTRACTS

(57) Abstract: The invention relates to a method for preparing an saponin-containing aqueous extract on the basis of a waste product from a butter tree of the Sapotaceae family, said method comprising the following steps: (i) mixing one part waste product with 4-30 parts of water; (ii) incubating the mixture formed in step (i) under alkaline conditions; and (iii) recovering an aqueous extract containing saponins by removing solids from the alkaline mixture formed in step (ii). The invention also relates to saponin-containing aqueous extracts obtainable by said method and uses thereof.